

**Prasad V. Potluri Siddhartha Institute of
Technology (Autonomous)**

Kanuru, Vijayawada – 520 007



1.3.2

Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms where the students of the institution have enrolled and successfully completed during the last five years

**Prasad V. Potluri Siddhartha Institute of
Technology (Autonomous)
Kanuru, Vijayawada – 520 007**



Academic Year : 2021-22

**Brochure/Notice for Certificate/Value added
programs**

**PRASAD V. POTULURI SIDDHARTHA INSTITUTE OF TECHNOLOGY,
KANURU, VIJAYAWADA
DEPARTMENT OF CIVIL ENGINEERING**

A.Y. 2020-21

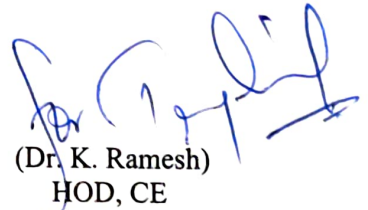
Date: 01-12-2021

CIRCULAR

Registration for Skill Development Online Training Program

The Government of Andhra Pradesh is organizing a skill development online training program on Building Drafting Using AutoCAD from December 6, 2021, to December 22, 2021. As part of this initiative, all the students are informed to register through online and enrich their domine knowledge skills.

Additionally, we kindly request the faculty to consider conducting extra classes following the training program if necessary. This will ensure the timely completion of the syllabus.



(Dr. K. Ramesh)
HOD, CE

**Professor & Head
Dept. of Civil Engineering
PVP Siddhartha Institute of Technology
Kanuru, VIJAYAWADA-520 003**

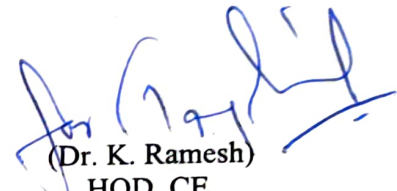
**PRASAD V. POTULURI SIDDHARTHA INSTITUTE OF TECHNOLOGY,
KANURU, VIJAYAWADA
DEPARTMENT OF CIVIL ENGINEERING**

A.Y. 2020-2021

Date: 10-02-2021

CIRCULAR

All the IV B. Tech students are having **Total Station Training program** from 9:00am to 6:00pm from 14.02.2021 to 18.01.2021 by M/s. Ladder Survey Institute, Chennai. During the training program the class work will be suspended for IV B. Tech students, faculty requested to conduct the extra classes after the training program in order to complete the syllabus if required. It is useful for all the Civil Engineering students.



(Dr. K. Ramesh)
HOD, CE
Professor & Head
Dept. of Civil Engineering
PVP Siddhartha Institute of Technology
Kanuru, VIJAYAWADA-520 007


**PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY,
DEPARTMENT OF MECHANICAL ENGINEERING**

CIRCULAR

21.05.2022

One week certification course on "Applications of Non-Destructive Testing" is planned from 23.05.2022 to 28.05.2022 from 01.00 PM to 6.00 PM for the registered III B. Tech Mechanical Students at room number 108 . The list of students enrolled for the course is also attached.


M. Rajyalakshmi & K. I. V. Vandana
(NDT Co-ordinators)


Dr. B. Raghu Kumar 21/5/22
(HOD-MECH)
HEAD
Mechanical Engineering Department
PRASAD V. POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VIJAYAWADA-520 007.



DEPARTMENT OF MECHANICAL ENGINEERING
PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY

(Autonomous)

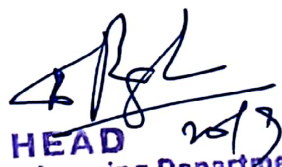
Kanuru, Vijayawada-520007.

Approved by AICTE & Affiliated to JNTUK, Kakinada

CIRCULAR

Date: 20.09.2021

As per the information received from the APSSDC training center, a training program on **Product Design and Drafting by CATIA** will be conducted for IV B.Tech S1 students from **27.09.2021 to 01.10.2021.** The interested students may give their names in the department office.


HEAD
Mechanical Engineering Department
PRASAD V. POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU-520 007.



DEPARTMENT OF MECHANICAL ENGINEERING
PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY

(Autonomous)

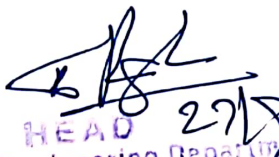
Kanuru, Vijayawada-520007.

Approved by AICTE & Affiliated to JNTUK, Kakinada

CIRCULAR

Date: 27.09.2021

As per the information received from the APSSDC training center, a training program on **Product Design and Drafting by CATIA** will be conducted for IV B.Tech S2. students from **04.10.2021 to 09.10.2021.** The interested students may give their names in the department office.


HEAD 27/9
Mechanical Engineering Department
PRASAD V. POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VIJAYAWADA-520 007.



DEPARTMENT OF MECHANICAL ENGINEERING
PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY

(Autonomous)

Kanuru, Vijayawada-520007.

Approved by AICTE & Affiliated to JNTUK, Kakinada

CIRCULAR

Date: 04.10.2021

As per the information received from the APSSDC training center, a training program on **Product Design and Drafting by CATIA** will be conducted for III B.Tech S1. students from **18.10.2021 to 23.10.2021**. The interested students may give their names in the department office.


HEAD 14/10
Mechanical Engineering Department
PRASAD V. POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VIJAYAWADA-520 007.



DEPARTMENT OF MECHANICAL ENGINEERING
PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY
(Autonomous)
Kanuru, Vijayawada-520007.
Approved by AICTE & Affiliated to JNTUK, Kakinada

CIRCULAR

Date 18.10.2021

As per the information received from the APSSDC training center, a training program on **Product Design and Drafting by CATIA** will be conducted for III B.Tech S2 students from **25.10.2021 to 30.10.2021.** The interested students may give their names in the department office.


HEAD 18/10
Mechanical Engineering Department
PRASAD V. POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VIJAYAWADA-520 007.



DEPARTMENT OF MECHANICAL ENGINEERING
PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY
(Autonomous)

Kanuru, Vijayawada-520007.

Approved by AICTE & Affiliated to JNTUK, Kakinada

CIRCULAR

Date: 06.07.2021

Department of Mechanical Engineering is organizing a training program on **Game Design Using Build box online** in association with APSSDC will be conducted for II and III B.Tech students from **12.07.2021 to 24.07.2021**. The interested students may register their names in online.


HEAD
Mechanical Engineering Department
PRASAD V. POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU VIJAYAWADA-520 007



DEPARTMENT OF MECHANICAL ENGINEERING
PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY

(Autonomous)

Kanuru, Vijayawada-520007.

Approved by AICTE & Affiliated to JNTUK, Kakinada

CIRCULAR

Date: 14.03.2022

Department of Mechanical Engineering is organizing a training program on **Python Programming** in association with APSSDC will be conducted for III B.Tech students from 21.03.2022 to 26.03.2022. The interested students may give their names in the department office.


HEAD 14/03/22
Mechanical Engineering Department
PRASAD V. POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VIJAYAWADA-520 007.

Date
18-01-2021

Department of Mechanical Engineering
PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY, KANURU

CIRCULAR

Our department has been identified as nodal centre by AP State Skill Development Corporation to establish "Dassaults Systems 3-D Experience Centre". APSSDC has started Skill Development in Engineering Design in collaboration With Dassault Systems.

It is proposed to start training on CATIA(60h), DELMIA(30h) and SUMULIA(30h) from 19th January, 2021. Batch size is 36. Selection is based on first come first serve basis. Interested students can enroll their names with Mrs. M. Radha Devi.


HOD, Mech.Engg. Dept

HEAD
Mechanical Engineering Department
PRASAD V. POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VIJAYAWADA-520 007.

Date
01-09-2021

Department of Mechanical Engineering
PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY, KANURU

CIRCULAR

Our department has been identified as nodal centre by AP State Skill Development Corporation to establish "Dassaults Systemes 3-D Experience Centre". APSSDC has started Skill Development in Engineering Design in collaboration with Dassault Systemes.

In continuation with Letter dt 18/01/2021, It is proposed to start training on "3D Experience platform" from 20th September, 2021. Interested students can enroll their names with Mrs. M. Radha Devi.


HOD, Mech. Engg. Dept.

HEAD

Mechanical Engineering Department
PRASAD V. POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VIJAYAWADA-520 007.

PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY

KANURU, VIJAYAWADA – 7

DEPARTMENT OF ECE.

Circular

Dt. 27.11.2021

This is to inform that the Department of Electronics & Communication Engineering in association with Andhra Pradesh State Skill Development Corporation is conducting a three day workshop on **"Arduino with Scratch (IOT)"** for III B.Tech ECE students


Schedule:

| | |
|----------------------------|-------------------------------|
| III B.Tech ECE S1 students | from 29.11.2021 to 01.12.2021 |
| III B.Tech ECE S2 students | from 13.12.2021 to 15.12.2021 |

Resource Persons:

Mamidi Jyoshitha , Trainer APSSDC
M. Prapul Kumar, Trainer APSSDC

**Venue: Room No. – APSSDC center (Room No. 435) &
Communications Lab (Room No. 261)**


Program Coordinator:
Dr. Haji Habibulla MD


HOD- ECE

HEAD

Electronics & Communication Engg. Dept.
PRASAD V. POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VIJAYAWADA-520 007.

Arduino With Scratch

Course Overview:

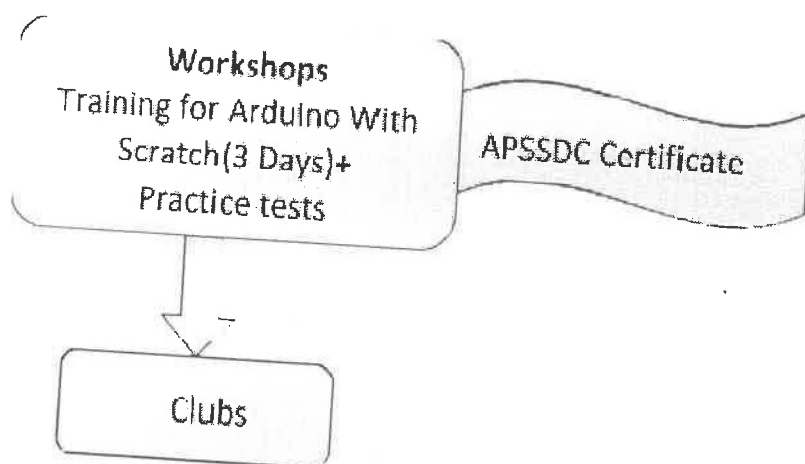
This course aims at attracting people to the programming world. The goal is also to provide a high level interface to Arduino programmers with functionalities such as interacting with a set of boards through user events. S4A is a scratch modification that allows for simple programming of the Arduino open source hardware platform

Outcomes:

- ❖ Computational Thinking-scratch
- ❖ Attracting students to the programming world
- ❖ Introducing easy way to interact with the real world
- ❖ Basic Hardware Knowledge

Intended audience : II Year B.Tech (ECE)

Training workflow :



Duration: 3 days

Assessments/Practice test: To ensure that students have understood the content covered during the session; a brief test will be conducted on LMS after every training session. This will help the student understand where he/she needs to improve. LMS (Learning and Management System)

is built from OpenEdx. It contains all course related content such as hand-out's, videos, and practice sessions. APSSDC will provide individual student account and Student/college wise analytics are also available

Clubs: After Workshops we will initiate clubs with one faculty and two merit students from each year in every College

Selection of the Merit students for the Club: At the end of the workshops we will select two merit students from every college based on Written Exam & Tool Test.

Advantages to be a member in Club

- a. We will provide guidance for their Projects.
- b. We will give priority for placement drives conducted by APSSDC.
- c. Eligibility for University Innovation Fellows (UIF).
- d. Priority for International programs conducted by APSSDC and etc..

Prasad V Potluri Siddhartha Institute of Technology (Autonomous)
Department of Electronics & Communication Engineering

Circular

Dt. 21.10.2021

This is to inform that the Department of Electronics & Communication Engineering is conducting an online training Program on "VLSI SoC Design using Verilog HDL" in Association with "Maven Silicon, Bangalore" from 26.10.2021 to 25.11.2021.

Resource Persons:

1. Mrs Megha, Maven Silicon
2. Mrs Sweety, Maven Silicon

Faculty Co-ordinator: Mrs. K.Anitha, Assoc. Prof.

Timings: 5:00 to 7:00 PM



Dr. P. Rajesh Kumar
Professor & HOD

HEAD

Electronics & Communication Engg. Dept.
PRASAD V. POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VIJAYAWADA-520 007.

Copy to:

1. Principal
2. Circulation to III & IV B.Tech ECE Students

Copy to:

1. Principal

2. Circulation



| Days of week | Timing (in IST) | Topic | Mode of Learning | Link for Live Session (Microsoft Teams) | Presenter |
|--------------|------------------------|--|---|--|------------------|
| Wednesday | 5:00 PM to 5:30 PM IST | Induction and Elearn Demo | Live Q & A | Click here to join the session | Sweety/ Megha |
| | 6:00 PM to 7:00 PM IST | VLSI Introduction, SOC design & ASIC v/s FPGA | Elearn portal | | |
| Thursday | 5:00 PM to 5:30 PM IST | Week 1: Live Q & A | Live Q & A | Click here to join the session | Megha |
| Friday | 6:00 PM to 7:00 PM IST | VLSI design flow & Knowledge check Quiz | Elearn portal | | |
| Monday | 5:00 PM to 7:00 PM IST | Verilog HDL & Knowledge check quiz | Elearn portal | | |
| Tuesday | 5:00 PM to 7:00 PM IST | Datat types & Knowledge check quiz | Elearn portal | | |
| Wednesday | 5:00 PM to 7:00 PM IST | Lab1 | Elearn portal & Using Tools-Model sim & Quartis prime | | |
| Thursday | 5:00 PM to 6:00 PM IST | Week 2: Live Q & A | Live Q & A | Click here to join the session | Megha |
| | 6:00 PM to 7:00 PM IST | Verilog Operators & Knowledge check quiz | Elearn portal | | |
| Friday | 5:00 PM to 7:00 PM IST | Lab2 | Elearn portal & Using Tools-Model sim & Quartis prime | | |
| Monday | 5:00 PM to 7:00 PM IST | Advanced verilog for verification | Elearn portal | | |
| Tuesday | 5:00 PM to 7:00 PM IST | Advanced verilog for verification & Knowledge check quiz | Elearn portal & Using Tools-Model sim & Quartis prime | | |
| Wednesday | 5:00 PM to 7:00 PM IST | Lab3 | Elearn portal & Using Tools-Model sim & Quartis prime | | |
| Thursday | 5:00 PM to 6:00 PM IST | Week 3 :Live Q & A | Live Q & A | Click here to join the session | Megha |
| | 6:00 PM to 7:00 PM IST | Assignmnets & Knowledge check quiz | Elearn portal | | |
| Friday | 5:00 PM to 7:00 PM IST | Lab4 | Elearn portal & Using Tools-Model sim & Quartis prime | | |



| Days of week | Timing (in IST) | Topic | Mode of Learning | Link for Live Session (Microsoft Teams) | Presenter |
|--------------|------------------------|---|---|--|-----------|
| Monday | 5:00 PM to 7:00 PM IST | Structural procedures & Knowledge check quiz | Elearn portal | | |
| Tuesday | 5:00 PM to 7:00 PM IST | Synthesis coding style & Knowledge check quiz | Elearn portal & Using Tools-Model sim & Quartis prime | | |
| Wednesday | 5:00 PM to 7:00 PM IST | Lab5 | Elearn portal & Using Tools-Model sim & Quartis prime | | |
| Thursday | 5:00 PM to 6:00 PM IST | Week 4: Live Q & A | Live Q & A | Click here to join the session | Megha |
| | 6:00 PM to 7:00 PM IST | Finite State machine & Knowledge check quiz | Elearn portal | | |
| Friday | 5:00 PM to 7:00 PM IST | Lab6 & Summary | Elearn portal & Using Tools-Model sim & Quartis prime | | |
| Monday | 5:00 PM to 7:00 PM IST | Revision on SOC design | Elearn portal | | |
| Tuesday | 5:00 PM to 7:00 PM IST | Revision on Lab1 & Lab2 | Elearn portal | | |
| Wednesday | 5:00 PM to 7:00 PM IST | Revision on Lab3 & Lab4 | Elearn portal | | |
| Thursday | 5:00 PM to 7:00 PM IST | Revision on Lab5 & Lab6 | Elearn portal | | |
| Friday | 5:00 PM to 7:00 PM IST | Generate Certificate - Reminder | Elearn portal | | |

Prasad V. Potluri Siddhartha Institute of Technology
Department of Electronics and Communication Engineering

CIRCULAR

Date: 25-02-2022

This is to inform that the Department of Electronics and Communication Engineering is going to conduct a 5- Day Training programme on "Engineering solutions using graphical programming -LabVIEW" conducted from 28-02-2022 to 04-03-2022. All the registered students of ECE,EEE and ME Departments are informed attend the training without fail.

Faculty Co-ordinator : Dr. A. Geetha Devi, Associate Professor, ECE

Venue : DSP Lab (Room. No. 255)



HOD-ECE
HEAD

Electronics & Communication Engg. Dept.
PRASAD V. POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VIJAYAWADA-520 007

PVP Siddhartha Institute of Technology(Autonomous), Kanuru,
Dept., of Electronics & Communication Engineering

A 5- Day Training programme on “Engineering solutions using graphical programming –LabVIEW” conducted from 28-02-2022 to 04-03-2022

Concepts covered

- Navigating LabVIEW
- Troubleshooting and Debugging VIs
- Implementing a VI
- Developing Modular Applications
- Creating and Leveraging Data Structures
- Managing Files
- Using Sequential and State Machine Algorithms
- Solving Dataflow Challenges with Variables
- Moving Beyond Dataflow
- Implementing Design Patterns
- Controlling the User Interface
- File I/O Techniques
- Improving an Existing
- Creating and Distributing Applications
- Property Node and Invoke Node
- Local and Global Variables

PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY

KANURU, VIJAYAWADA - 7

DEPARTMENT OF ECE.

Circular

Dt. 10.03.2022

This is to inform that the Department of Electronics & Communication Engineering in association with Andhra Pradesh State Skill Development Corporation is conducting a 6 day workshop on **"PCB Design Program"** for students of II B.Tech ECE from 14.03.2022 to 19.03.2022 (for Sec 1) & 21.03.2022 to 26.03.2022 (for Sec 2).


Resource Persons:

Rubeena, Trainer APSSDC

Jaya Shankar Prasad, Trainer APSSDC

Venue:

APSSDC Center (Room No.435) & Dassault Systems Lab (Room No.318)


Program Coordinator:

Dr. Haji Habibulla MD


HOD -ECE

Dr. C Subba Rao

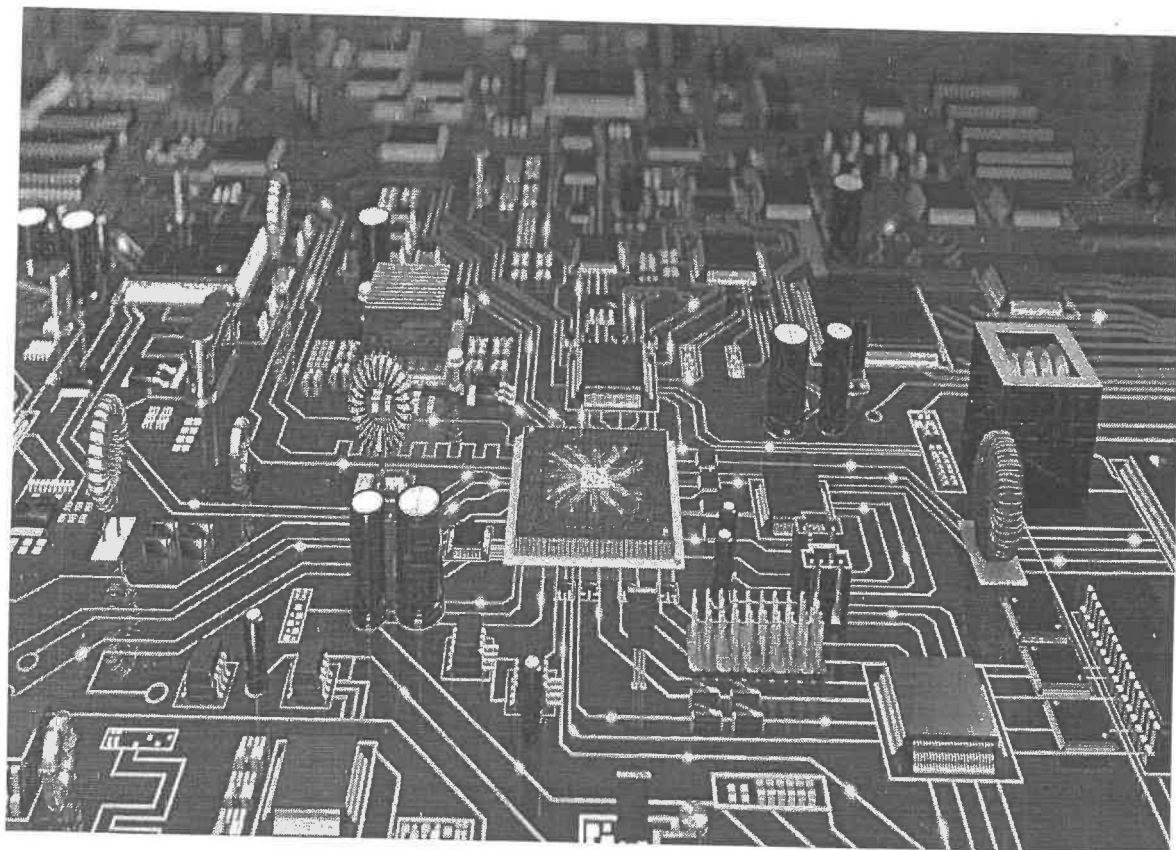


APSSDC

Andhra Pradesh State Skill Development Corporation
(Department of Skills Development and Training, Govt of Andhra Pradesh)



PCB DESIGN





APSSDC

Andhra Pradesh State Skill Development Corporation
(Department of Skills Development and Training, Govt of Andhra Pradesh)



Introduction :

This is a basic course for designing PCB(Printed Circuit Board) using softwares. PCB is the backbone for every electronic device. Everyone knows about motherboards and some electronic equipment boards in your laboratory but we don't know the process of designing PCB boards. PCBs play a vital role in area, power, performance, reliability, and security of an electronic computing system. This course provides an overview of the PCBs with a highlight on current practices of design and test. It discusses the electrical components used in a PCB and different types of boards available. In this PCB designing course you can design some electronic circuits using PCB layout designing softwares. This program is designed to make students capable of designing their own PCB projects up to industrial grade.

Hardware Requirements:

1. i3 or above Processor is required.
2. 4 GB RAM is recommended,
3. Good Internet Connectivity
4. Disk space:40 GB
5. OS windows:7/8/9/10

Software Requirements:

- 1.Livewire&PcbWizard
- 2.EasyEDA
- 3.Eagle

Duration :

36 Hours (6 hours each day X 6 days) Offline

36 Hours (2 hours each day X 18 days) Online



APSSDC

Andhra Pradesh State Skill Development Corporation

(Department of Skills Development and Training, Govt of Andhra Pradesh)



Syllabus :

1. Introduction to PCB designing
 - a. Introduction
 - b. History of PCB
 - c. Explanation of each and every function of PCB
 - d. Applications and examples
2. Introduction to Livewire software
 - i) a. Active and passive components
b. Input & Output components
 - ii) a. Button interfacing with LED circuit
b. LDR interfacing with LED circuit
c. Potentiometer interfacing with LED circuit
d. Power Adapter circuit
e. Fire alarm circuit using thermistor
 - iii) a. Introduction to 555 timer ic
b. Blinking of an LED using 555 timer ic circuit
c. Blinking of two LEDs alternately using 555 timer ic circuit
d. Fire alarm circuit
e. Button and potentiometer interfacing with motor circuit
f. Police siren circuit
 - iv) a. Water level indicator circuit using 555 timer ic
b. Battery level indicator circuit
c. LED chaser circuit using IC 4017 decade counter and 555 timer ic
d. Explain how to measure current, voltage & flow of current in a circuit
e. Showing output waveforms in CRO by using LIVEWIRE software.
3. Introduction of PCB Wizard software
 - i) a. Explanation of each and every component
b. Basic pcb circuits in PCB WIZARD software
c. Designing PCB layout for button interfacing with LED circuit
d. Designing PCB layout for LDR sensor interfacing with LED circuit
e. Layout designing for Potentiometer interfacing with LED circuit
 - ii) a. Designing PCB layout for 555 timer ic led blinking circuit
b. Designing PCB layout for fire alarm circuit
c. Designing PCB layout for egg.timer circuit
d. Traffic lights circuit pcb layout designing
e. Designing PCB layout for speed and rotation control of motor circuit



APSSDC

Andhra Pradesh State Skill Development Corporation
(Department of Skills Development and Training, Govt of Andhra Pradesh)



- f. Designing PCB layout for led chaser circuit using 4017b ic
- g. Explanation of manual routing and auto routing in pcb wizard software

4. Introduction of EasyEDA software

- i)
 - a. Explanation of each and every function
 - b. Explanation of basic pcb circuits.
 - c. Water level indicator circuit
 - d. Astable multivibrator using 555 timer circuit in EASYEDA software
 - e. Explanation of photo view and 3D view of PCB layouts
- ii) Introduction to double layered pcb design using EASYEDA software
 - a. Designing PCB layout for IR sensor circuit
 - b. Designing PCB layout for water level indicator circuit
 - c. Designing PCB layout for police siren circuit
 - d. Designing PCB layout for led chaser circuit
 - e. Designing PCB layout for arduino uno development board
 - f. Explanation of manual routing and auto routing

5. Introduction of EAGLE software

- i)
 - a. Adding external libraries to software.
 - b. Explanation about circuit components
 - c. Basic Circuits explanation
 - d. Explanation about auto routing.
- ii)
 - a. Designing PCB layout for astable and bistable multivibrator circuits
 - b. Designing PCB layout for 4017b decade counter ic led flasher circuit
 - c. water level indicator circuit designing in EAGLE software
 - d. Designing PCB layout for Fire alarm circuit.
 - e. automatic street light circuit designing in EAGLE software

ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION
Department of Skills Development & Training
PCB HARDWARE COMPONENTS LIST

| Sr.No | Component Name | Quantity | Price(Approximate) Rs. |
|-------|---------------------------------------|-----------------------------------|--------------------------|
| 1 | Soldering Rod | 8 | 1 piece =100 |
| 2 | soldering Paste | 4 | 1Piece=15 |
| 3 | Soldering Led(25g) | 12 | 1piece=100 |
| 4 | Ferric Chloride(2%) company name-NICE | 1kg | 500 gram=400 |
| 5 | Nipper | 4 | 1piece=40 |
| 6 | Plastic bowls | 4 | 1piece=50 |
| 7 | Surgical Gloves | 60 | 1piece=1 |
| 8 | Copper sheets(A4 Size) | 8(single side) | 1piece=120 |
| 9 | Photo glossy paper A4 size | 40 | 40piece=200 |
| 10 | Iron Boxes | 5 | college provide/purchase |
| 11 | Printer | 1 | College should provide |
| 12 | forceps | 2 | 1piece=40 |
| 13 | Steel dishwasher | 8 | 1piece=10 |
| 14 | Tinner | 1/2litre | 100 |
| 15 | 9v Batteries | 20 | 1piece=15 |
| 16 | Battery Strips | 150 | 1piece=5 |
| 17 | Led's | 350(Green,Red,blue,white,o range) | 100piece=100 |
| 18 | TRIM POT Potentiometer(10K) | 40 | 1piece=5 |
| 19 | Thermistor | 15 | 1piece=10 |
| 20 | Buzzer(Small) | 30 | 1piece=10 |
| 21 | Diodes(IN4007) | 70 | 20piece=20 |
| 22 | 555 ic base(8pin) | 50 | 2piece=5 |
| 23 | 555 ic's | 50 | 10piece=50 |
| 24 | LDR Sensors | 20 | 10piece=50 |
| 25 | NPN Transistors (BC-547) | 140 | 30piece=60 |
| 26 | Capacitors (4.7uf) | 10 | 10pieces=20 |
| 27 | Capacitors (10uf) | 50 | 10pieces=20 |
| 28 | Capacitors (1uf) | 15 | 10pieces=20 |

| | | | |
|----|-----------------------------|-------------|--------------|
| 29 | Capacitors (100uf) | 15 | 10pieces=20 |
| 30 | Resistors(100k) | 20 | 10pieces=10 |
| 31 | Resistors(1M) | 20 | 10pieces=10 |
| 32 | Resistors(10k) | 100 | 10pieces=10 |
| 33 | Resistors(2.2k) | 20 | 10pieces=10 |
| 34 | Resistors(150k) | 75 | 10pieces=10 |
| 35 | Resistors(220 ohms) | 80 | 10piece=10 |
| 36 | Resistors(1k) | 20 | 10piece=10 |
| 37 | Resistors(470 ohms) | 200 | 10piece=10 |
| 38 | Terminal block connectors | 20 | 10pieces=50 |
| 39 | Micro Drilling Machines | 08 | 1pieces=100 |
| 40 | Drilling Bits (size0.8mm) | 100 | 1pieces=6 |
| 41 | Drilling Bits (size 1 mm) | 5 | 100 |
| 42 | Push Button(2 Terminals) | 15 | 1pieces=2 |
| 43 | DECADE COUNTER 4017B-16 PIN | 20 | 1pieces=10 |
| 44 | 16 pin IC base | 20 | 1pieces=3 |
| 45 | BREADBOARD CONNECTING WIRE | 20(meter's) | ----- |
| 46 | Condenser mic(poled) | 15 | 10pieces=100 |
| 47 | hacksaw blade(1 inch) | 2 | 1pieces=20 |
| 48 | Permanent marker | 2 | 1pieces=20 |
| 49 | Current tester | 1 | 1pieces=20 |

NOTE:Total list for 60 students

Prasad V. Potluri Siddhartha Institute of Technology, Kanuru

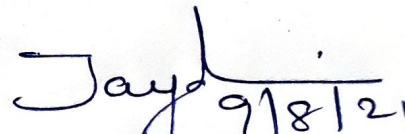
Department of Computer Science and Engineering

Dt. 09-08-2021

This is to state that the department of CSE has conducted Training on CISCO Developer Associate (DEVNet Associate) under CISCO NETWORKING ACADEMY from 20-04-2021.

The duration of the course is from 20-04-2021 to 06-08-2021.

This is to certify that we have conducted 34 classes (One Hour Duration) to deliver all the concepts related to the above course through google meet. Further students are expected to spend additional time to practice the same for completion of the course. Four Students registered for this course and all the four students got certified under this training course.


Head, Dept. of CSE

(Dr. A. JAYALAKSHMI)

HEAD

Dept. of Computer Science & Engg.
PRASAD V. POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VIJAYAWADA-520007

**PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY ::
KANURU:: VIJAYAWADA (AUTONOMOUS)**

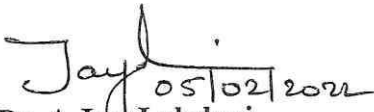
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CIRCULAR

Date: 05-02-2022

All the proctors of II & III B. Tech students are informed that **Microsoft Certification Program** organized by APSCHE in collaboration with JNTU Kakinada is expected to commence from **2nd week of February 2022**. The exact course commencement details will be shared in the due course. The modality of the course delivery will be Online. List of enrolled students and their respective registered course is attached with the circular.

Class coordinators are hereby informed to communicate the same with the **II B. Tech & III B. Tech** students. Proctors are also requested to track their allotted student's course completion status on regular basis.


Dr. A JayaLakshmi
HOD, CSE Dept

PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CIRCULAR

Date 05-04-2022

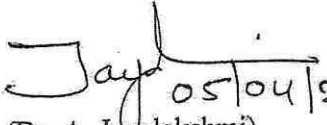
All the II & III B. Tech students who have successfully enrolled for Microsoft Up-skilling Programme, organized by APSCHE in collaboration with JUNTU Kakinada are hereby informed that the Online Learning Portal (SharePoint) is ready for the enrolled students to access. The detailed guide to create a mandatory Office 365 account & steps to access the learning portal (SharePoint) is also attached herewith the circular.

It is highly recommended to follow the guidelines for the login process. For any kind of technical issues you may contact Mr. Rajesh B, Asst. Prof, Dept of CSE (OR) In case of students facing challenges in Password or login issues, also please contact the following email address O365Support@apsche-edu.org

Please find the Temporary Password used in Office 365. Students have to set their NEW Password once logged in.

| | |
|-------------------------------|-------------------|
| Temp Password- Student | Jntuk2022# |
|-------------------------------|-------------------|

Class coordinators are hereby informed to communicate the same with II & III B.Tech students. Proctors are also requested to track their allotted student's course completion status on regular basis.


(Dr. A. Jayalakshmi)
HOD, CSE Dept
HEAD
Department of
Computer Science & Engineering
PVP Siddhartha Institute of Technology
Kanuru, Vijayawada-520 007.

MAIL COMMUNICATION TO STUDENTS



B., MS. BHAGYA LAKSHMI <cseoffice@pvpsiddhartha.ac.in>

Microsoft Upskilling Programme || APSCHE || JNTUK || Course Credentials

1 message

Mon, Apr 4, 2022 at 5:05 PM

Rajesh, Barige <barigerajesh@pvpsiddhartha.ac.in>
To: "MS. BHAGYA LAKSHMI B." <cseoffice@pvpsiddhartha.ac.in>

Dear Student,

Greetings.

Here I'm writing this mail to share the primary information to kick start accessing your Learning Portal (Microsoft Upskilling Programme, in cooperation with APSCHE & JNTUK).

Please find attached two PDF files that guide you through the process of creating an Office 365 account and accessing the Online learning portal (SharePoint).
The student enrollment list is also attached herewith.

Please Find **TEMP** password Setup in **O365**.
Students have to Set their **NEW** Passwords Once **Logged IN**.

| University | Temp Password-Student | |
|---------------------------|-----------------------|--|
| JNTUK - University - DATA | Jntuk2022# | |

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You can send email requests from their Personal or College EMAIL IDs mentioning their APSCHE Login ID to **RESET** the Password.

You will get a response in 2 to 4 Hours to their EMAIL.

Happy Learning

Best Wishes..!!

RAJESH BARIGE

Vijayawada, Andhra Pradesh.

Mob: +91 9440609711

2 attachments

APSCHE_Learning_Portal_Process_Guideline.pdf
1863K

APSCHE- MSProject OFFICE 365 LOGIN STPE BY STEP DOCUMENT.pdf
430K


**PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY,
(AUTONOMOUS), KANURU, VIJAYAWADA**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

APSCHE-MICROSOFT UPSKILLING PROGRAMME

SUMMARY REPORT OF ACADEMIC YEAR: 2021-22

| S.No | Name of the Course Registered | Year of study | Number of students Registered | Number of students Certified | % of certified | Date of certified |
|------|--|---------------|-------------------------------|------------------------------|----------------|---------------------------------|
| 1 | Introduction to Programming using java | IV year | 80 | 37 | 46.25 | 16/06/2022 |
| 2 | Mobility and Device Fundamentals | III year | 24 | 11 | 45.83 | 21/06/2022 and 30/06/2022 |


HOD-CSE

**PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY ::
KANURU:: VIJAYAWADA (AUTONOMOUS)**

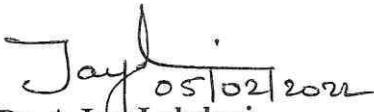
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CIRCULAR

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Dr. A JayaLakshmi
HOD, CSE Dept

PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CIRCULAR

Date 05-04-2022

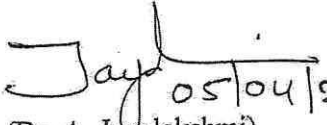
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(Dr. A. Jayalakshmi)
HOD, CSE Dept
HEAD
Department of
Computer Science & Engineering
PVP Siddhartha Institute of Technology
Kanuru, Vijayawada-520 007.

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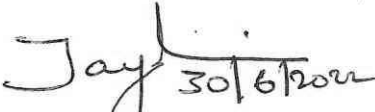
**PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY,
(AUTONOMOUS), KANURU, VIJAYAWADA**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

APSCHE-MICROSOFT UPSKILLING PROGRAMME

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HOD-CSE

Prasad V Potluri Siddhartha Institute of Technology (Autonomous)
Kanuru, Vijayawada

Department of Computer Science & Engineering

CIRCULAR

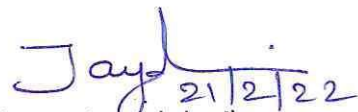
PVPSIT/CSE/CIR./2022

DATE: 21-02-2022.

Department of CSE is going to organise value added course on "Java Programming Fundamentals" for all II B. Tech students. This course which is of duration 36hrs is provided through Infosys Spring Board Portal. So all II B. Tech students register for this course and get benefitted. This course provides understanding on topics such as Generics, Collection Framework and API's. Completion of Capstone Project is also part of the course. Students who pass the assessment will be given course completion certificate by Infosys.

Coordinator:

Mr. Y. Ayyappa, Asst. Prof., Dept. of CSE


(Dr. A. Jayalakshmi)

Prof. & Head, Dept. of CSE



Prasad V. Potluri Siddhartha Institute of Technology

(Autonomous)

Accredited with A+ grade by NAAC

ISO 9001:2015 Certified Institute, Permanently Affiliated to JNTUK, KAKINADA

All the UG Programmes are accredited by NBA Under Tier-I

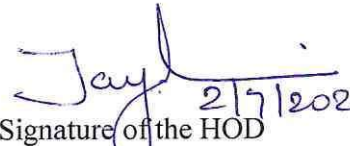


DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Infosys SpringBoard Certifications

ACADEMIC YEAR-2021-2022

| S.no | Course Name | No of Students Certified | Duration |
|------|-------------------------------|--------------------------|----------|
| 1. | Java Programming Fundamentals | 202 | 36 Hours |


Signature of the HOD 27/12/2022

HEAD
Department of
Computer Science & Engineering
PVP Siddhartha Institute of Technology
Kanuru, Vijayawada - 520 007.

ASUS E-Service

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ENWhat do you want to learn?

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Cheatsheet


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Calendar

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More

Infosys SpringboardExplore



Java Programming Fundamentals

Java Programming Fundamentals is designed to introduce the fundamentals of Java programming and its object-oriented features. It will help out the le... More

Start

Learning Progress ⓘ

Status: Open

This status may take few minutes to reflect if you have made progress on some resources in this content recently.

This content is hierarchical. Progress will be calculated on the basis of children resources

Completion Certificate

You can earn a certificate on completing this content

Overview

Contents

Discussions

What you will learn

By the end of this course, you will be able to:

- Create Java programs using the fundamental programming constructs
- Implement and design a class based on attributes and behaviors of objects
- Develop Java code that demonstrates the working of different keywords in Java

Authors/Creators

SC

Sushma Chandra

RG

Rasmi G.

NM

Nisha Menon

AB

Amrinder Brar

SH

Safa H

Show Curators/Contacts

At a glance

📦

Course

🕒

36h 10m

📖

Beginner Level

📄

Free

📁

Infosys Wingspan

🌐

EN

📄

Java programming, Java,

Overview | Contents | Discussions

What you will learn

By the end of this course, you will be able to:

- Create Java programs using the fundamental programming constructs
- Implement and design a class based on attributes and behaviors of objects
- Develop Java code that demonstrates the working of different keywords in Java
- Explain and implement different Object-Oriented concepts in Java
- Develop Java code that uses the appropriate access modifiers, package declarations, import statements
- Identify, apply and understand the working of the most common APIs used in Java
- Explains about Exception Handling, Collections Framework and, Generics.
- Determine the best practices that are to be followed in Java

Target Audience - Developers

Pre Contents

Java Tools

Skills you will gain

Core Java

Prerequisites

This content is part of

Java Programming Fundamentals

Start

At a glance

- 📁 Course
- 🕒 36h 10m
- 📊 Beginner Level
- 💰 Free
- 📁 Infosys Wingspan
- 🌐 EN
- 📖 Java programming, Java, Arrays in Java, OOPS in Java, Inheritance in Java, Polymorphism in Java, Keywords in Java, Java APIs, Access Modifiers in Java, JPF, Java Programming, Exception, Exception Handling,



Home

Table of Contents

36h 10m • 32 Modules • 1 Assessment

| | | |
|---------------------------------------|---|---|
| ■ Prelude | i | ▼ |
| ■ Introduction to Java | i | ▼ |
| ■ Java Architecture | i | ▼ |
| ■ Class and Object | i | ▼ |
| ■ Data Types | i | ▼ |
| ■ Operators | i | ▼ |
| ■ Type Casting | i | ▼ |
| ■ Conditional Statements | i | ▼ |
| ■ Arrays | i | ▼ |
| ■ Enhanced for loop | i | ▼ |
| ■ Object Oriented Concepts using Java | i | ▼ |
| ■ Constructors | i | ▼ |
| ■ this Keyword | i | ▼ |

EN

What do you want to learn?

Java Programming Fundamentals

Start

At a glance

Course

36h 10m

Beginner Level












Free


Infosys Wingspan

EN

Java programming, Java, Arrays in Java, OOPS in Java, Inheritance in Java, Polymorphism in Java, Keywords in Java, Java APIs, Access Modifiers in Java, JPF, Java Programming, Exception, Exception Handling,


<https://infyspringboard.onwingspan.com/web/en/page/home>



































 Explore

EN

What do you want to learn?








| | |
|---------------------------|---|
| Inheritance |   |
| Polymorphism |   |
| super Keyword |   |
| final Keyword |   |
| static Modifier |   |
| Variable Arguments |   |
| Enumerated Data Types |   |
| Abstract class |   |
| Interface |   |
| Package |   |
| Access Modifiers |   |
| Java Libraries |   |
| Exceptions |   |
| Generics |   |
| The Collections Framework |   |


Java Programming Fundamentals


Start


 Course


 36h 10m


 Beginner Level

 Free

 Infosys Wingspan

 EN

 Java programming, Java, Arrays in Java, OOPS in Java, Inheritance in Java, Polymorphism in Java, Keywords in Java, Java APIs, Access Modifiers in Java, JPF, Java Programming, Exception, Exception Handling, Collections, Collection framework, generics



PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

PVPSIT/50/IT/25/21-22

Dt: 18.11.2021

NOTICE


In the month of November the department is going to conduct the free certification course on **"Data Visualisation using Tableau"** for the benefit of II B.Tech students. This course is schedule from 20.11.2021 for 40 hours duration in **IT INCUBATION CENTRE** (Room No: 326). The timings are 4:00pm to 5:00pm from Tuesday, Thursday and Saturday afternoon hour 12:00pm to 01:00pm. The students who are completed the course successfully will get the certificate from the Institute/Department. Upon successful completion of the course students will assign a Mini Project and the completed work of the Mini Project will be published in UGC approved/SCOPUS journals/Other Journals.

The Following list of Students was interested to learn Data Visualisation using Tableau course in Incubation Centre.(Based on top CGPA)

| Sl.No. | Reg.No. | Name of the Student | CGPA | Section |
|--------|------------|---------------------|------|---------|
| 1. | 20501A1211 | N.BRAHMANI | 9.38 | I |
| 2. | 20501A1220 | D.RASHMITHA | 9.46 | I |
| 3. | 20501A1243 | J.LIKHITHA | 9.54 | I |
| 4. | 20501A1262 | K.BHARADWAJ | 9.69 | I |
| 5. | 20501A1274 | M.HARIKA | 9.38 | II |
| 6. | 20501A12B2 | S.V.P.S.S.KAVYA | 9.69 | II |

Course Instructor:

1. Dr. S. Sai Kumar, Asst. Professor, Dept .of IT


(Dr. B. V. Subba Rad) 18/11/2021
HEAD
Information Technology Department
PRASAD V. POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANLURI, VIJAYAWADA-520 007

DEPARTMENT OF INFORMATION TECHNOLOGY

| | | |
|----------------------------|----------|---|
| Academic Year | : | 2021-22 |
| Year & Semester | : | II B.Tech / II Sem- Section: SI & S2 |
| Branch | : | Information Technology |
| Subject Name | : | Data Visualization using Tableau |

| S.NO | Topic | No. of Hours |
|-------|---|--------------|
| 1 | Overview of Tableau | 1 |
| 2 | Environment Setup | 2 |
| 3 | Tableau-File Types, Data Types | 2 |
| 4 | Data Sources | 2 |
| 5 | Tableau Extracting Data | 2 |
| 6 | Tableau Field Operations | 2 |
| 7 | Data Joining | 2 |
| 8 | Worksheet Operations | 2 |
| 9 | Charts | 4 |
| 10 | Dashboard & Forecast | 4 |
| 11 | Tableau Experiment-I (Dashboard Creation) | 3 |
| 12 | Tableau Experiment-II (Geo Location) | 3 |
| 13 | Tableau Experiment-III (Publish Data on Tableau Server) | 3 |
| 14 | Tableau Experiment-IV (Hosting Tableau Data in Webpage) | 3 |
| Total | | 40 |

S. S. S.
Signature of Faculty

Dr. S. Sai Kumar

(Dr. B. V. Subba Rao)

THE AIR

Prasad V. Subrahmanyam
Srinivasan R. Subrahmanyam

PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY, KANURU,

VIJAYAWADA-7

Department of Business Administration

CIRCULAR

Dt: 14.12.2021

It is hereby informed to the II MBA I Semester students that a workshop on 'Business Analytics' is scheduled to be conducted from 20.12.2021 to 23.12.2021. All students must attend the workshop without fail.

P. A. Lakshmi
(Dr. P. Adi Lakshmi)

Head of the Dept.

HEAD
PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VIJAYAWADA-7

H
PS
for
[Signature]
[Signature]

PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY, KANURU, VIJAYAWADA-7

Department of Business Administration

CIRCULAR

Dt: 11.08.2021


It is hereby informed that the MBA, I Semester that there will be a Workshop on Tally Prime and Excel for Accounting from 12-08-2021 to 20-08-2021. All the students are informed that to attend the workshop without fail

Time: 9.00 A.M to 4.00 P.M.

Lab: CAD Lab

Room No. : 348

Dress Code: Formal


Head of the Department.

(Dr. P. Adi Lakshmi)

HEAD

Department of Business Administration
PRASAD V. POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VIJAYAWADA-520 007

Prasad V Potluri Siddhartha Institute of Technology
Department of Business Administration

CIRCULAR

11.01.2022

This is to inform all the students of II MBA that, everyone should attend the Digital Marketing certification course by Venky's Vision IT Solutions in from 19-01-2022 to 22-01-2022. Everyone should attend without fail.



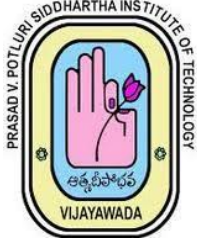

Dr. P. Adi Lakshmi

Head of the Department

HEAD

Department of Business Administration
PRASAD V.POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VIJAYAWADA-520 007.

L 



PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY



APSSDC – Mechanical Offline Training Programs

Date: 15-03-2022

CIRCULAR

This is to inform to all 2nd year ME students to attend APSSDC certification Program on **Python Programming** for 6 working days as per the given schedule bellow.

| Batch | Dates |
|--------------|------------------------|
| 2nd yr BTech | 21-3-2022 to 26-3-2022 |

This course is mandatory for all the students and the attendance will be considered.

Students are advised to make the necessary arrangements accordingly.

Training Cost: 300 INR.

Timings: 9 am - 4 pm on all days

Points to note:

- The students are advised to carry their own Laptops, if possible.
- Certificate of course will be provided by APSSDC
- COVID-19 Precautions must be followed.

For further details please contact Dr. Kishore Reddy, SPOC-APSSDC (7382219990), Mr.P.Mastan Rao (Dept. coordinator, 9885074139).



(Dr. K. Sivaji Babu)

Principal

*To circulate All class counselors, among all 2nd year ME students



APSSDC

Andhra Pradesh State Skill Development Corporation
(Department of Skills Development & Training, Govt of Andhra Pradesh)



Data Analysis Using Python





Introduction:

Data Science and analysis is playing the most significant role today covering every industry in the market. For e.g finance, e-commerce, business, education, government. Now organizations play a 360-degree role to analyze the behavior and interest of their customers to make decisions in favor of them. Data is analyzed through a programming language such as python which is one of the most versatile languages and helps in doing a lot of things through it. Netflix is a pure data science project that reached the top by analyzing every single interest of their customers. Keywords: Data Visualization, AnacondaJupyter Notebook, Exploratory Data Analysis, Machine Learning.

Hardware Requirements:

- i3 or above Processor is required
- 4 GB RAM is recommended
- Good Internet Connectivity
- Microphone and Speakers facility for Offline training program.

Duration:

- 36 Hours (6 hours each day X 6 days)

Course Content:

1. Introduction to Data Analysis (6 Hr):

- a. Introduction to Data
- b. Types of Data in Statistics (Numerical & Categorical)
- c. Overview of Python Concepts

2. Data Manipulation with NumPy (6 Hr):

- a. Introduction
- b. NumPy Arrays
- c. NumPy Basics
- d. Math
- e. Indexing
- f. Random
- g. Filtering
- h. Statistics
- i. Aggregation
- j. Saving Data

3. Data Analysis with Pandas(6 Hr):

- a. Introduction to Data Analysis using Pandas
- b. Pandas Series
- c. Pandas DataFrame



APSSDC

Andhra Pradesh State Skill Development Corporation

(Department of Skills Development and Training, Govt of Andhra Pradesh)



- d. Combining
 - e. Indexing
 - f. File I/O
 - g. Grouping
 - h. Features
 - i. Filtering
 - j. Sorting
 - k. Statistical
 - l. Plotting
- 4. Data Cleaning with Pandas & Data Preprocessing with Scikit Learn (6 Hr):**
- a. Introduction
 - b. Standardizing Data
 - c. Data Range
 - d. Robust Scaling
 - e. Normalizing Data
 - f. Label and One Hot Encoding
 - g. Polynomial Features
 - h. Working with Duplicates and Missing Values
 - i. Which values should be replace with missing values based on data
 - j. Identifying and Eliminating Outliers
 - k. Dropping duplicate data
 - l. Filling missing data using Data Imputation
- 5. Introduction to Data Visualization with Matplotlib (6 Hr):**
- a. Introduction to Visualization and Python packages
 - b. Matplotlib history
 - c. Introduction to plotting
 - d. Line Plot
 - e. Scatter Plot
 - f. Bar Graph
 - g. Histogram
 - h. Pie Chart
 - i. Box Plot
 - j. Tasks
- 6. Data Visualization With Seaborn (6 Hr):**
- a. Using Seaborn Styles
 - b. Setting the default style
 - c. Color Palettes
 - d. Creating Custom Palettes
 - e. stripplot() and swarmplot()
 - f. box plots, violin plots, barplots, point plots and counterplots
 - g. Regression Plots
 - h. Binning data
 - i. Creating heatmaps
 - j. Applying on raw dataset and introduction to Kaggle and other data sources



Course Objectives:

The main goal of this course is to help Students or Faculty to learn, understand, and practice data analysis and machine learning approaches, which include the study of modern computing data technologies and scaling up machine learning techniques focusing on industry applications. Mainly the course objectives are conceptualization and summarization of Data Analysis and machine learning computing technologies, machine learning techniques, and scaling up machine learning approaches.

Entry Requirements:

- Faculty/Students attending this FDP/STP should have a good knowledge in Python Programming and Statistics.

Eligibility:

- All Faculty/Students who have Python Programming and Statistics Knowledge are eligible.

Mode Of Training:

- Offline (Completely Hands on Training)

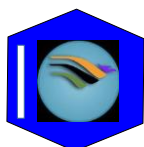
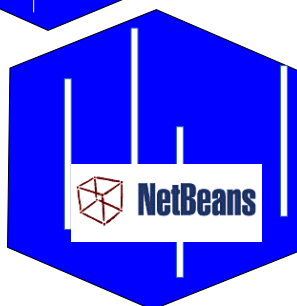
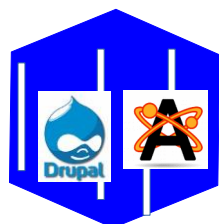
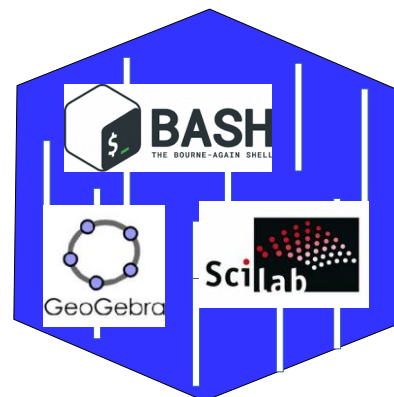
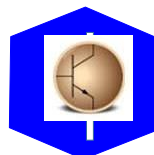


Spoken Tutorial

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IIT Bombay



E-Brochure

Arduino QCad
 Advanced DWSIM Drupal
 Python C++ Ruby Scilab eSim
 Blender HTML PERL Tux
 Linux AWK Koha Typing
 GIMP Linux OpenFOAM Libreoffice
 BASH C/C++ Latex Bio
 Inkscape GIT Jmol Java
 OpenModelica Application Xfig
 GeoGebra ExpEYES Avogadro
 Moodle NetBeans GChemPaint
 Cell Designer PHP & MySQL

Basic Computer Skills & Office Automation

| Software / FOSS name | Applications / Skills & Employability |
|--|---|
| Introduction to Computers | How to use computers for day-today activities. |
| LibreOffice – Writer, Calc, Impress, Base, Draw, Math | Office Automation system – Documentation, Spreadsheet, Slide making. |
| Linux, Linux AWK, Ubuntu, BOSS | Free and Open source operating system. Actively being taken up by E-Governance programs and SMEs. |
| Firefox | Web browser. Used for all internet browsing purposes. |
| Tux Typing | Teaches 10 Finger typing. |

Programming Languages / Information Technology

| | |
|--|--|
| C / C++, Advance C++, Java, Java Business Application, Netbeans | C is the most popular language worldwide. Java is also popular with ability to run the same program on different systems relevant to World Wide Web <i>software</i> . NetBeans is an open-source integrated development environment (IDE). Smooth JavaScript editor, Templates profiler & GUI Design tool. JBA is used to create business applications and provide domain expertise. |
| Ruby | Ruby is an object oriented scripting language use widely for developing web applications. |
| GIT | GIT is a version-control system for tracking changes in computer files and coordinating work on those files among multiple people. |
| Android App using Kotlin | Learn to architect and develop Android apps in the Kotlin programming language. With these techniques you'll create apps in less time, writing less code, and with fewer errors. |
| HTML | Hypertext Markup Language is the standard markup language for documents designed to be displayed in a web browser. |

Modelling and Simulation

| | |
|---------------------|---|
| DWSIM | DWSIM is a software for modeling, simulation, and optimization of steady-state chemical processes, Use in Chemical industry. |
| OpenModelica | OpenModelica is used for Simulating, Optimising, Analysing complex dynamic systems. Eg. In power plant, water treatment, automotive processes optimization. |

Mathematics / Statistics

| | |
|----------------------|--|
| GeoGebra | Dynamic Mathematics Software (DMS) for teaching and learning mathematics from middle school through college level. |
| R (like SPSS) | Programming language used for statistical computing and graphics. |
| Biopython | Tool for Computational Biology and Bioinformatics. |

| Multimedia / Drawing | |
|-----------------------------------|---|
| GIMP (like Photoshop) | GIMP is a graphics editor used for image retouching and editing, free-form drawing etc. |
| Inkscape (like Corel Draw) | Inkscape designs and creates a wide variety of graphics such as illustrations, icons, logos, diagrams, maps and web graphics. |
| Blender (like Maya 3D) | Blender is a 3D computer graphics software toolset used for creating animated films, visual effects, art, 3D printed models, games. |
| QCad | QCAD is used to create technical drawings such as plans for buildings, interiors, mechanical parts or schematics and diagrams. |
| Synfig | Synfig Studio eliminates the need to create animation frame-by frame, allowing you to produce 2D animation of a higher quality with fewer people and resources. |

| Scripting Languages / Web Development | |
|--|--|
| Python | Used for web programming eg. Django, Zope, Google App Engine, Desktop applications, Web Development sites eg. Facebook, Google search, Wikipedia. |
| PERL | Perl is a general-purpose programming language useful as a Glue language for tying together systems – hence invaluable to System Administrators and for Web Development. |
| PHP & MySQL | Used as Web development and Database Management Systems package. |
| Drupal | Drupal is a content management system (CMS) written in PHP and distributed under the GNU General Public License. Useful for website-building and web applications. |

| Mechanical / Civil / Electrical – Engineering disciplines | |
|--|---|
| Open Foam | Data processing and visualisation. Aerodynamics, Building constructions. |
| Oscad (eSim) | Tool for circuit design, simulation, analysis and PCB design. |
| QGIS | QGIS is an application that supports viewing, editing, and analysis of geospatial data. It allows users to analyse and edit spatial information, in addition to composing and exporting graphical maps. |

| Chemistry / Bio-Chemistry | |
|----------------------------------|---|
| Avogadro | Avogadro is a molecule editor and visualizer. |
| GChemPaint | GChemPaint allows you to draw and display 2D chemical structures. Very useful to teach and learn abstract chemistry concepts. |
| Cell Designer | Cell designer is a drawing tool – a structured diagram editor for biochemical networks & gene-regulatory drawings. |
| Jmol Application | It is used for molecular modelling chemical structures in 3 dimensions. eg. In molecular biology pertinent structures. |

Electronics / Physics

| | |
|---|--|
| Arduino | Arduino is an open source platform used for building electronics projects. Or creating interactive objects or environments. eg. Used in Robotics |
| ExpEYES | ExpEYES stands for Experiments for Young Engineers and Scientists. A tool for learning science by exploring and experimenting. |
| Single Board Heater System(SBHS) | The application of this device is in the Control Systems area of Engineering. |

Learning Management System

| | |
|-----------------------------|--|
| Moodle | Moodle is a learning management system or an online platform for customized learning, assignment and assessment purposes. |
| LaTeX | The best tool for Technical writing. eg. Math typesetting for Science, Engineering, Technology writing of theses, projects, journal articles, books etc. LaTeX has automatic generation of high quality PDF reports. |
| Scilab (like MATLAB) | Scientific computation package for Advanced mathematical computations. Use for academics in Physics, Engineering, Applied mathematics, Statistics & in Data Analytics companies and departments. |

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<http://spoken-tutorial.org>



Prasad V. Potluri Siddhartha Institute of Technology
(AUTONOMOUS) Kanuru, Vijayawada



NPTEL Local Chapter

Dt : 08-07-2021

Circular

NPTEL Local Chapter of our college is going to conduct an “**Awareness Session on National Program on Technology Enhanced Learning (NPTEL) online Courses and its Certifications**” offered by IITs for **all II,III,IV year Students** in the Ground Floor Seminar Hall.

The Schedule as Follows:

| Date | Time | Name of the Department |
|------------|-----------------------|------------------------|
| 19/07/2021 | 11.00 AM – 12.00 NOON | CSE |
| 19/07/2021 | 3.00 PM - 4.00 PM | Civil |
| 20/07/2021 | 3.00 PM - 4.00 PM | IT |
| 21/07/2021 | 3.00 PM - 4.00 PM | ECE |
| 22/07/2021 | 3.00 PM - 4.00 PM | Mechanical |
| 23/07/2021 | 11.00 AM – 12.00 NOON | EEE |

Note: The Concern Faculty for that hour & Coordinators of corresponding Department has to accompany the students.

(Y. Surekha)

SPOC-NPTEL Local Chapter

(Dr. K. Sivaji Babu)

Principal

Copy to : All HODs
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Prasad V. Potluri Siddhartha Institute of Technology
(AUTONOMOUS) Kanuru, Vijayawada

NPTEL Local Chapter



Dt: 18-08-2021

Circular

Students and faculty members who have registered themselves for the NPTEL online courses are hereby informed that they can register for the Examination through the link specified below and pay the required fee Rs.1100/- to Ms. Y. Surekha, NPTEL coordinator, Dept. of CSE, Room No: 221.

Examination link: <http://nptelonlinecourses.iitm.ac.in/>

Last date for payment of fee and submission of applications is 25th AUGUST 2021

(Y. Surekha)
SPOC-NPTEL Local Chapter

(Dr. K. Sivaji Babu)
Principal

Copy to:

All HoDs for circulation among staff and students